RESOLUTION NO. 90-31

A RESOLUTION OF THE LODI CITY COUNCIL
APPROVING THE NEW CLASS SPECIFICATIONS AND SALARY RANGE
FOR SENIOR ENGINEERING TECHNICIAN

RESOLVED, that the Lodi City Council does hereby approve the new class specifications for Senior Engineering Technician, as shown on Exhibit A attached hereto and thereby made a part hereof.

FURTHER RESOLVED, that the salary range $2242.98 - $2726.35, effective March 7, 1990 is hereby approved.

Dated: March 7, 1990

I hereby certify that Resolution No. 90-31 was passed and adopted by the City Council of the City of Lodi in a regular meeting held March 7, 1990 by the following vote:

Ayes: Council Members - Hinchman, Olson, Pinkerton, Reid and Snider (Mayor)

Noes: Council Members - None

Absent: Council Members - None

Alice M. Reimche
City Clerk

RES9031/TXTA.02J

Senior Engineering Technician

DEFINITION:

Under general supervision, performs advanced technical, sub-professional office and field work involving design, surveying, computers, development services, traffic or other technical engineering services; performs other duties as assigned.

DISTINGUISHING CHARACTERISTICS:

This is a lead or specialist level in the sub-professional, engineering class series. Positions in this class are distinguished from the Engineering Technician II class in that they perform the most difficult and complex engineering support work and may provide lead direction and training to other engineering staff.

SUPERVISION RECEIVED AND EXERCISED:

Receives general supervision from professional level engineers. May provide lead direction over engineering technicians and others as assigned.

EXAMPLES OF DUTIES: Duties may include but are not limited to the following; depending upon engineering assignment.

Performs complex drafting and mapping assignments using manual or computer-aided methods; prepare layouts, plans, specifications and other designs for various public works projects from engineer's instructions and notes.

Checks parcel and subdivision maps for compliance with codes, policies and procedures; determines and lays out controls for aerial photogrammetry.

Reduces survey field notes, prepares quantity take-offs, material quanties and other engineering tasks using a programmable calculator; maintains and updates accurate records, survey data and progress reports.

Performs topographic surveying, using electronic equipment, setting lines, grades and taking measurements.

Performs construction staking based on plans and technical directions of project engineer.

May plan, monitor, evaluate work and train subordinate technicians, depending on assignment.

Provides technical support to traffic engineer by conducting field and office studies, assessing speed limits, traffic counts, vehicular and pedestrian volumes, parking data and traffic controls.

Analyzes traffic and accident data from field studies and computerized information, plotting then on maps and assists the traffic engineer in determining improvements.

Prepares layouts, drawings, written reports, memoranda and letters for presentation to City Council; responds to citizen complaints or inquiries.

Researches and prepares property descriptions, annexation descriptions, easements and rights of way; processes street rights-of-way.

EXHIBIT A

Supervises the preparation of utility inventory records and maintains utility system maps.
Answers questions and confers with contractors, property owners, engineers and representatives of other government agencies regarding assigned areas of expertise.
Provides lead direction in the operation of microcomputers for engineering recordkeeping, graphics, surveying and other engineering applications; develops engineering applications for computerized recordkeeping using various data base software.

MINIMUM QUALIFICATIONS:

Knowledge of:
Principles, practices and terminology of varied engineering technical support work including drafting, mapping, traffic control, field inspection and field survey.
Common public works construction methods and materials, and inspection.
Principles of algebra, geometry and trigonometry.
Computer applications related to engineering mathematics of drafting problems; principles and techniques of data base management.
Standard office practices and procedures.
Data collection and analyses methods.

Ability to:
Plan, assign, review and train others in work procedures.
Perform technical engineering support work in a variety of areas.
Use drafting tools and equipment and prepare skilled layouts, maps and graphic materials.
Analyze technical engineering and statistical information, evaluate alternatives and make sound recommendations.
Maintain records and prepare clear and concise reports and correspondence.
Make accurate field inspections.
Establish and maintain effective working relationships.

EDUCATION AND EXPERIENCE:

Any combination equivalent to experience and education that would likely provide the required knowledge and abilities would be qualifying. A typical combination is:

Education:
Completion of high school or its equivalent supplemented by courses in drafting, surveying, and computer science.

Experience:
Three years of sub-professional engineering office or field work, including design, survey, traffic or inspection.
College level courses in Civil Engineering, hydraulics, statistics, surveying or graphics can be substituted on a year for year basis for up to two years of experience.

LICENSES AND CERTIFICATES:

Possession of an appropriate, valid Driver's License from the California Department of Motor Vehicles.